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$$0.2\phi_{13} \leq d_{113} \leq 0.5\phi_{13} \quad (1)$$

Inasmuch as $\phi_{13} = 2r_{13}$, then

$$0.4r_{13} \leq d_{113} \leq r_{13} \quad (2)$$

The distance, a , is preferably approximately 30% d_{113} . Thus

$$d_e = D_{113} - 0.3 d_{113} = 0.7 d_{113} \quad (3)$$

DI
intd

whereby equation (2) becomes

$$0.4r_{13} \leq \frac{1}{0.7} d_e \leq r_{13} \quad (4)$$

The above-defined relationship between the target body radius, r_1 , and the radius of the workpiece to be coated, r_{13} ,

$$1.3r_{13} \leq r_1 \leq 1.4r_{13} \quad \text{or} \quad (5)$$

$$\frac{r_{13}}{r_1} = \frac{1}{14} \quad \text{and} \quad \frac{r_{13}}{r_1} = \frac{1}{13} \quad (6)$$